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Sherwood

OPERATING INSTRUCTIONS

TX-5505iD

AM/FM/DAB/i-RADIO TUNER

CE

Introduction

ENGLISH

READ THIS BEFORE OPERATING YOUR UNIT

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

FOR YOUR SAFETY

EUROPE AUSTRALIA	**220 V - 240 V**	Units shipped to Australia are designed for operation on 230 V AC only. To ensure safe operation, the three-pin plug supplied must be inserted only into a standard three-pin power point which is effectively earthed through the normal household wiring. Extension cords used with the equipment must be three-core and be correctly wired to provide connection to earth. Improper extension cords are a major cause of fatalities. The fact that the equipment operates satisfactorily does not imply that the power point is earthed and that the installation is completely safe. For your safety, if in any doubt about the effective earthing of the power point, consult a qualified electrician. PAN-EUROPEAN UNIFIED VOLTAGE All units are suitable for use on supplies 220-240 V AC.

CAUTION

- Leave a space around the unit for sufficient ventilation.
- Avoid installation in extremely hot or cold locations, or in an area that is exposed to direct sunlight or heating equipment.
- Keep the unit free from moisture, water, and dust.
- Do not let foreign objects in the unit.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the unit.
- Please be care the environmental aspects of battery disposal.
- The unit shall not be exposed to dripping or splashing for use.
- No objects filled with liquids, such as vases, shall be placed on the unit.
- Do not let insecticides, benzene, and thinner come in contact with the set.
- Never disassemble or modify the unit in any way.

■Notes on the AC power cord and the wall outlet.

- The unit is not disconnected from the AC power source(mains) as long as it is connected to the wall outlet, even if the unit has been turned off.
- To completely disconnect this product from the mains, disconnect the plug from the wall socket outlet.
- When setting up this product, make sure that the AC outlet you are using is easily accessible.
- Disconnect the plug from the wall outlet when not using the unit for long periods of time.

Information for Users on Collection and Disposal of Old Equipment and used Batteries

These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste. For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

[Information on Disposal in other Countries outside the European Union]

These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Note for the battery symbol (bottom two symbol examples):

The sign Pb below the symbol for batteries indicates that this batteries contains lead.

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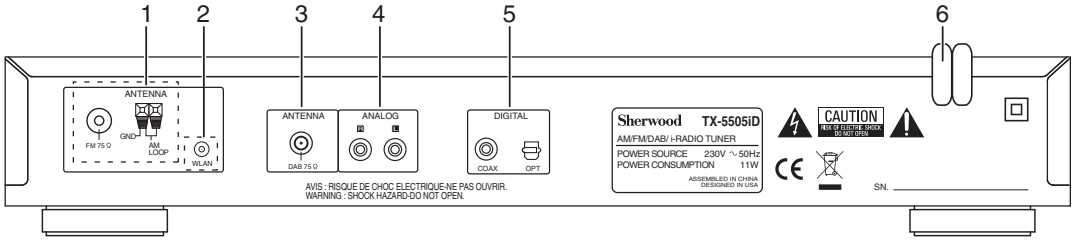
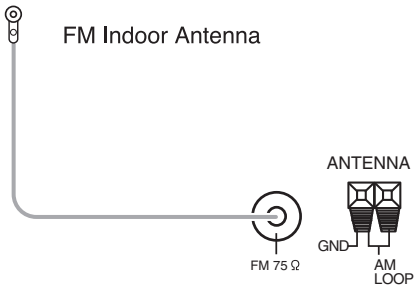
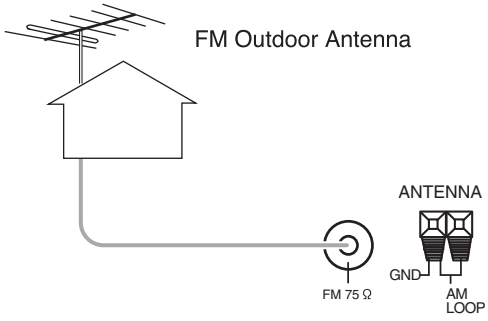
Rear Panel Connections

- Do not plug the AC input cord into the AC outlet when making connections.
- Be sure to connect the white plugs to the L(Left) jacks and the red plugs to the R (Right) jacks when making connections.
- Refer to the connecting diagram in the operating instructions of your amplifier.

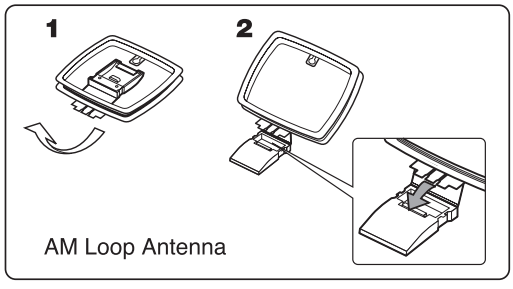


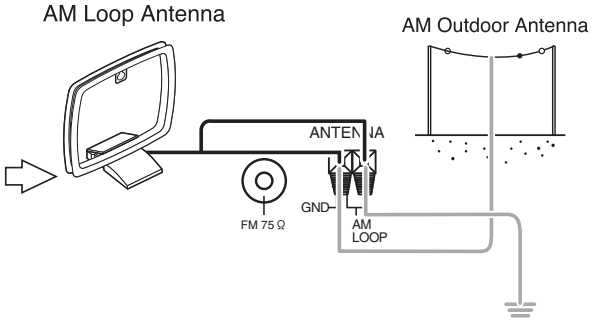
1. CONNECTING AM AND FM ANTENNAS





- Change the position of the FM indoor antenna until you get the best reception of your favourite FM stations.
- A 75Ω outdoor FM antenna may be used to further improve the reception. Disconnect the indoor antenna before replacing it with the outdoor one.





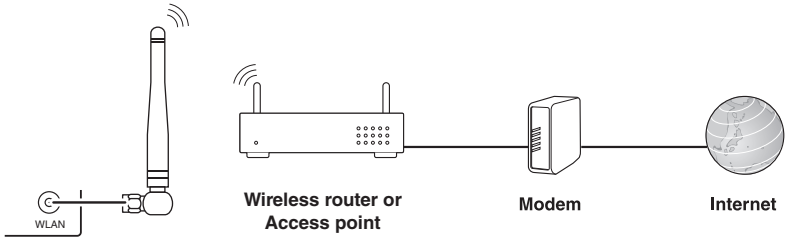
- Place the AM loop antenna as far as possible from the receiver, TV set, speaker cords and the AC input cord and set it to a direction for the best reception.
- If the reception is poor with the AM loop antenna, an AM outdoor antenna can be used in place of the AM loop antenna.

2. CONNECTING WLAN ANTENNA

- To connect this unit to a broadband home network wirelessly to listen to internet radio broadcast, connect the WLAN antenna to the WLAN terminal.
- This unit is equipped with an IEEE802.11n(2.4 GHz band only) wireless module, which also supports the 802.11 b/g standards.

■Notes :

- After making a broadband internet connection, you should set the communication settings. (For details, see “When selecting “Set Network”” on page 23.)
- When using a broadband internet connection, a contract with an internet service provider is required. For more information, contact your nearest internet service provider.
- Refer to the operating instructions of the equipment because the connected equipment and connection method may differ depending on your internet environment.



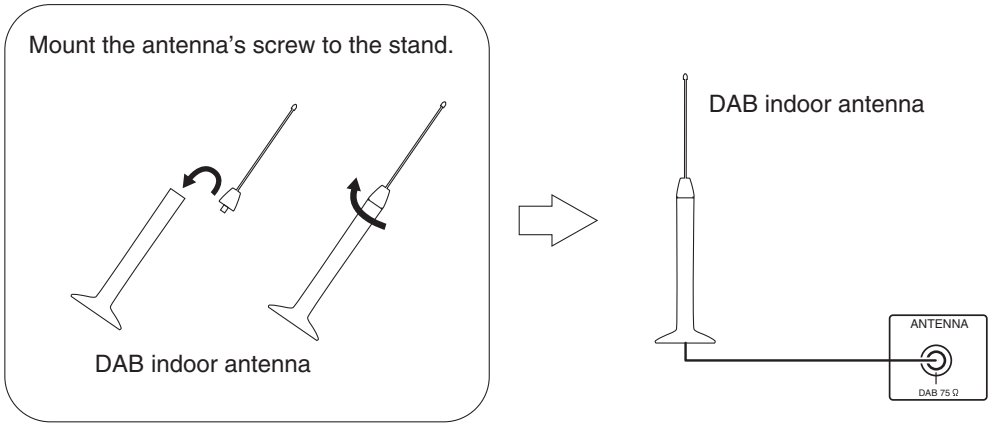
* An access point is a device that allows you to connect to your home network wirelessly.

3. CONNECTING DAB ANTENNA

- Connect the DAB indoor antenna to the DAB ANTENNA terminal.
- Use the “Signal Strength” display to set position at which reception sensitivity is optimum. (For details, see “Displaying DAB/DAB+ information” on page 22.)
- If good reception cannot be achieved with the supplied DAB indoor antenna, use an DAB outdoor antenna. Connect an F male type connector to the coaxial cable and connect the antenna to the DAB ANTENNA terminal.

■Note :

- A magnet is located on the bottom surface of the DAB indoor antenna. Keep it away from monitors, etc.



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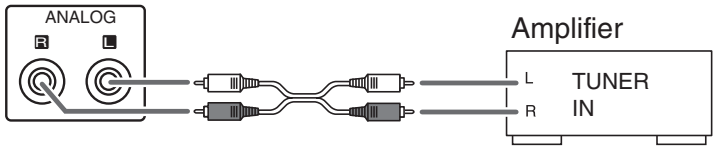
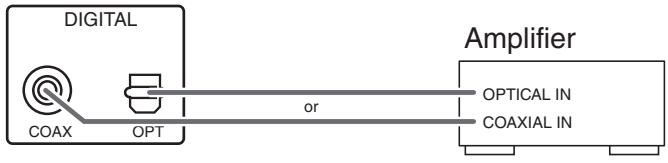
4. CONNECTING ANALOG AUDIO OUTS

• Connect the ANALOG L and R jacks to the TUNER IN jacks of your amplifier.



5. CONNECTING DIGITAL AUDIO OUTS

• If you want to enjoy listening to the digital audio output of DAB and internet radio, connect the OPTICAL or the COAXIAL DIGITAL OUT to the corresponding DIGITAL IN of your amplifier. (You don't neet to do both.)

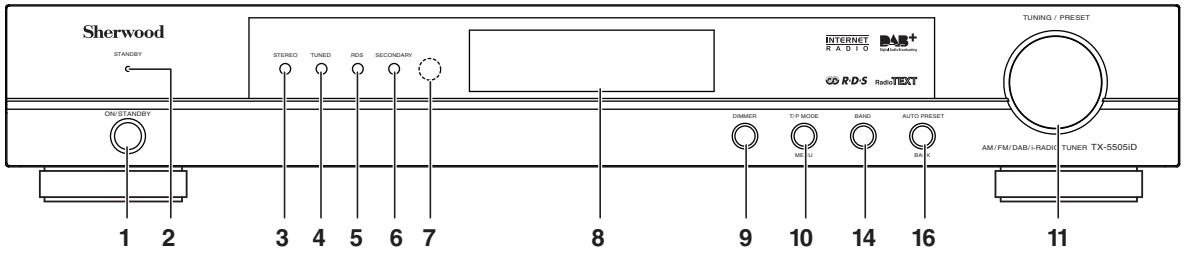


6. AC INPUT CORD

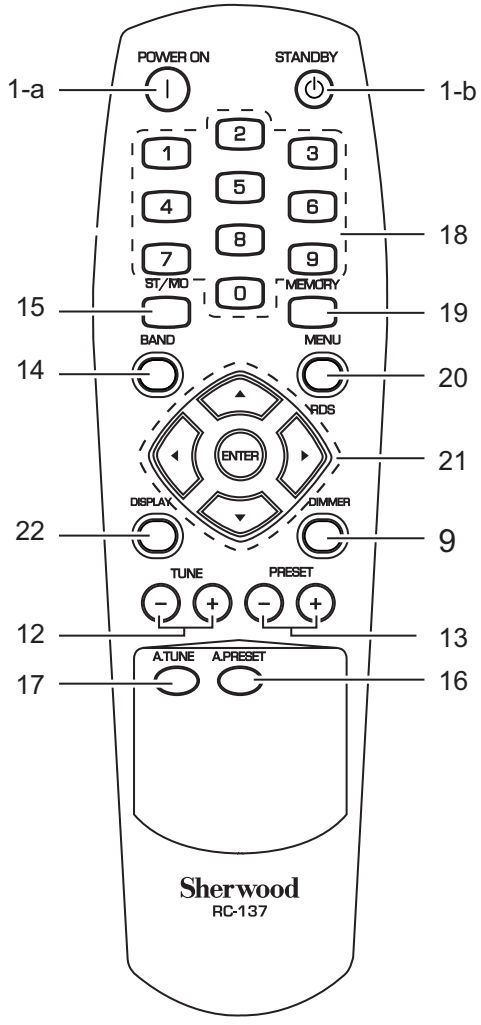
• Plug the cord into a wall AC outlet.

Front Panel & Remote Controls

Front panel controls



Remote controls



1. POWER ON/STANDBY button
Each time the POWER ON/STANDBY button is pressed, this unit is turned on to enter the operating mode or off to enter the standby mode.
a. In the standby mode, press the POWER ON button to enter the operating mode.
b. In the operating mode, press the STANDBY button to enter the standby mode.

2. STANDBY indicator
When this unit is turned off, this indicator lights up.

3. STEREO indicator
When FM broadcasts are reproduced in stereo sound, this indicator lights up.

4. TUNED indicator
When a station of sufficient strength is tuned in, this indicator lights up.

5. RDS indicator
When RDS broadcasts are received, this indicator lights up.

6. SECONDARY indicator
When a secondary service is available, this indicator lights up.

7. Remote sensor
This receives the signals from the remote control unit.

8. Fluorescent display
This displays operation status, frequency, RDS information, etc.

9. DIMMER button
Each time this button is pressed, the brightness of the fluorescent display changes as follows :

→ ON → dimmer → OFF →

10. TUNING/PRESET MODE/MENU button
Press this button to select the tunning mode(“P” goes off) or the preset mode (“P” lights up).
When listening to the Internet radio broadcasts or DAB/DAB+ broadcasts, press this button to enter the main menu.

11. TUNING/PRESET knob
Rotate this knob to tune in the stations depending on whether the tuning mode or the preset mode is selected.

12. TUNING UP/DOWN (+/-) buttons
Press these buttons to tune in the stations without selecting the tuning mode.

13. PRESET UP/DOWN (+/-) buttons
Press these buttons to tune in the preset stations without selecting the preset mode.
When adding the Internet radio station to the list of your favourite stations, use the PRESET UP(+) button.
When deleting the Internet radio station on the list, use the PRESET DOWN(-) button.

14. BAND button
Press this button to select the desired band.
• Each time this button on the front panel is pressed, the band and the FM mode change as follows :

→ FM STereo →FM MONO → AM → digital broadcast →

• Each time this button on the remote control is pressed, the band changes as follows :

→ FM → AM → digital broadcast →

15. STEREO/MONO button
When listening to FM broadcasts, press this button to select the STereo mode or the MONO mode depending on the strength of broadcst signal.

16. AUTO PRESET(/BACK) button
Press this button to automatically search for FM stations and to store them in the memory.
When this button on the front panel is pressed on a system setting menu, the previous menu will be returned to.

17. AUTO TUNING button
Press this button to search for a station of sufficient strength automatically.

18. NUMERIC(0~9) buttons
Press these buttons to specify the preset number of the station directly to be recalled or stored in the memory.

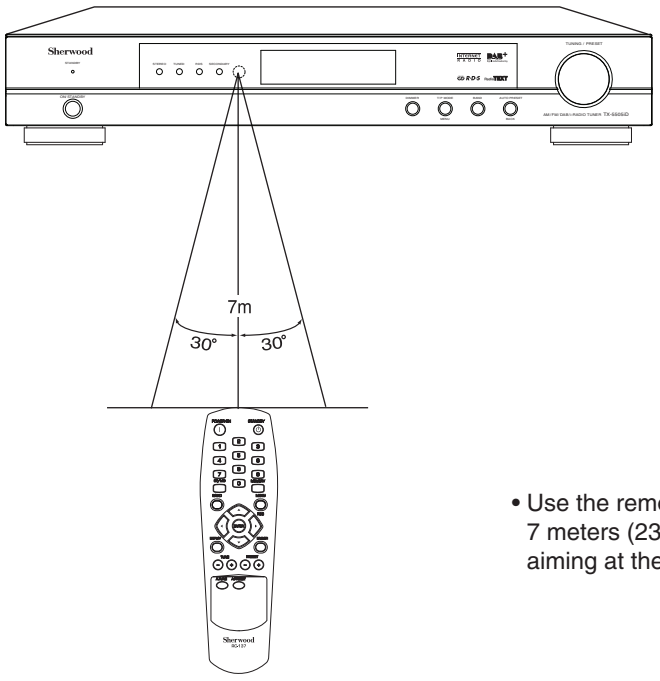
19. MEMORY button
Press this button to store the desired stations manually in the memory.

20. MENU/RDS button
When listening to FM broadcasts, press this button to enter the RDS menu.
When listening to the Internet radio broadcasts or DAB/DAB+ broadcasts, press this button to enter the main menu.

21. CURSOR ▲/▼/◀/▶and ENTER buttons
Press the CURSOR ▲/▼/◀/▶ buttons to select items, etc. then press the ENTER button to confirm your selection.

22. DISPLAY button
Press this button to display information on the station that are broadcasting.

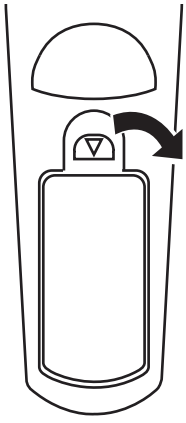
REMOTE CONTROL OPERATION RANGE



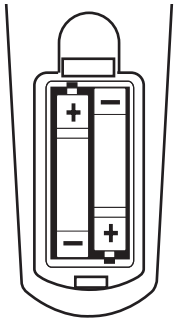
• Use the remote control unit within a range of about 7 meters (23 feet) and angles of up to 30 degrees aiming at the remote sensor.

LOADING BATTERIES

1. Remove the cover.



2. Load two batteries(“AAA” size, 1.5V) matching the polarity.



• Remove the batteries when they are not used for a long time.
• Do not use the rechargeable batteries (Ni-Cd type).

Operations

LISTENING TO RADIO BROADCASTS

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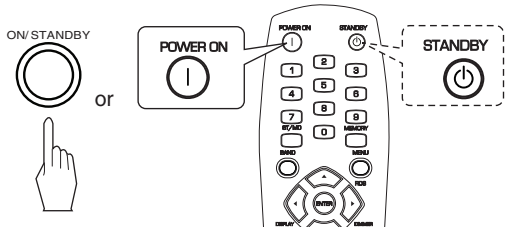
Before operation

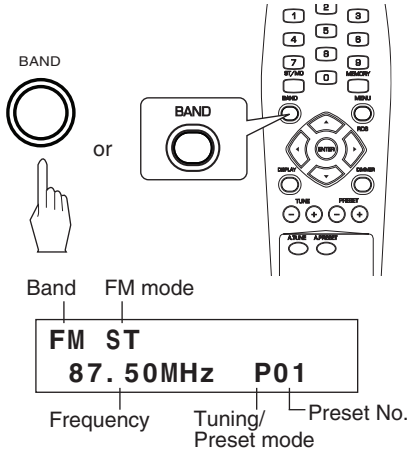
• Turn the power on.



• Each time the POWER ON/STANDBY button on the front panel is pressed, the tuner is turned on to enter the operating mode or off to enter the standby mode.
• When it is in the standby mode, the STANDBY indicator lights up. This means that the tuner is not disconnected from the AC mains and a small amount of current is retained to support the operation readiness.
• On the remote control, press the POWER ON button to enter the operating mode or press the STANDBY button to enter the standby mode.

Auto tuning

1. Select the desired band.



• Each time the BAND button on the front panel is pressed, the band and the FM mode change as follows :

→FM STereo → FM MONO→ AM → digital broadcast
(STEREO indicator lights up) (STEREO indicator goes off)

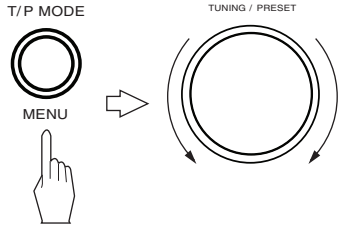
• Each time the BAND button on the remote control, the band changes as follows :

→ FM → AM → digital broadcast

• For details on FM mode, see “Listening to FM stereo broadcasts” on page 13.
• To listen to Internet Radio broadcasts, DAB/DAB+ braodcasts, etc., select digital broadcast. (For details, see “LISTENING TO INTERNET RADIO BROADCASTS, DAB/DAB+ BROADCASTS” on page 16.)

■On the front panel

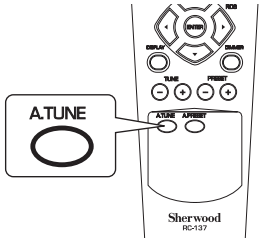
2. Press the TUNING/PRESET MODE button to select the tuning mode, then rotate the TUNING /PRESET knob over several steps once.



• Each time the TUNING/PRESET MODE button is pressed, the mode changes as follows :
Tuning mode ↔ Preset mode
(“P” goes off) (“P” lights up)

■On the remote control

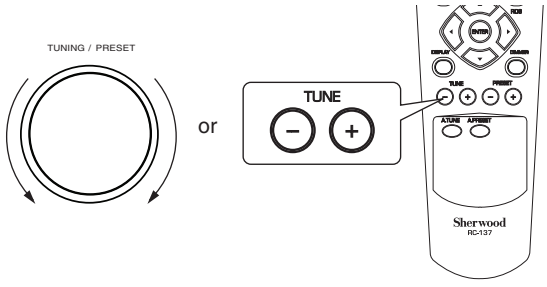
2. Press the AUTO TUNING button.



• “AUTO” is displayed and the tuner will now search until a station of sufficient strength has been found. The display shows the tuned frequency and the TUNED indicator lights up.
• During auto tuning, press the TUNING UP(+)/DOWN(-) buttons to change the received frequency to a higher frequency or a lower frequency.
• If the station found is not the desired one, simply repeat this operation.
• Weak stations are skipped during auto tuning.

Manual tuning

- Manual tuning is useful when you already know the frequency of the desired station.
- After selecting the desired band (and the tuning mode in case of using the TUNING/PRESET knob), rotate this knob one by one slowly or press the TUNING UP(+)/ DOWN(-) buttons repeatedly until the right frequency has been reached.

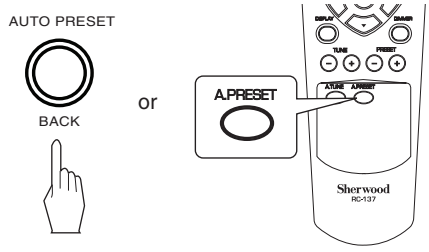


- Press and hold down the TUNING UP(+)/DOWN(-) buttons to reach quickly the right frequency.

Auto presetting

- Auto presetting function automatically searches for FM stations only and stores them in the memory.

1. While listening to FM broadcasts, press the AUTO PRESET button.



- Then “FM AUTO PRESET” flickers for several seconds.
- If “FM AUTO PRESET”goes off, press the AUTO PRESET button again.

2. When “FM AUTO PRESET” flickers, press the AUTO PRESET button again.

- Then “SEARCH” flickers and the tuner starts auto presetting.
- To stop auto presetting, press this button again.
- Up to 40 FM stations can be stored.

■Notes :

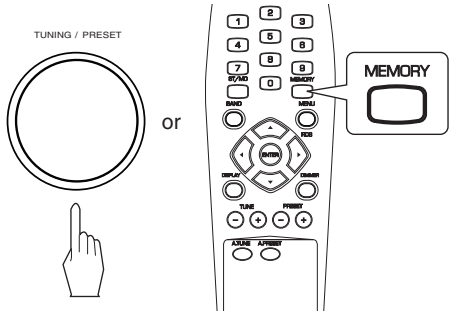
- FM stations of weak strength cannot be memorized.
- To memorize AM stations or weak stations, perform “Manual presetting” procedure with using “Manual tuning” operation.

Manual presetting

- You can store up to 40 preferred stations in the memory.

1. Tune in the desired station with auto or manual tuning.

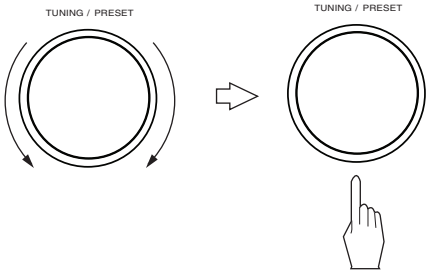
2. Press the TUNING/PRESET knob or the MEMORY button.



- The preset number flickers for several seconds.

■On the front panel

3. Rotate the TUNING/PRESET knob to select the desired preset number(1~40) and press this knob.



- The station has now been stored in the memory.
- A stored frequency is erased from the memory by storing another frequency in its place.
- If the preset number does not flicker or disappears, start again from the above step 2.

4. Repeat the above steps 1 to 3 to memorize other stations.

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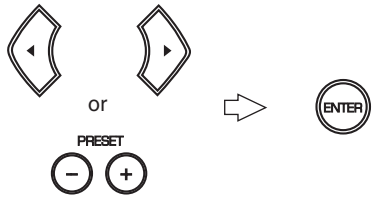
Continued

■On the remote control

3. Select the desired preset number(1~40) and press the ENTER button.



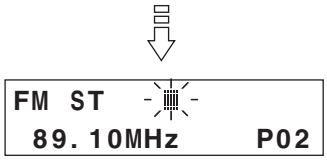
• When using the NUMERIC buttons

Examples:

For “3” : 0 within 10 seconds 3 within 10 seconds ENTER

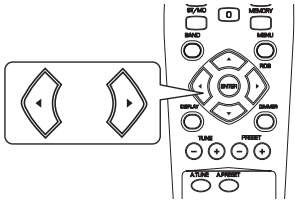
For “21” : 2 within 10 seconds 1 within 10 seconds ENTER

For “40” : 4 within 10 seconds 0 within 10 seconds ENTER



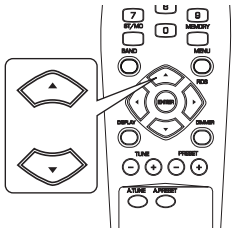
• Then it enters the name entry mode (that allows you to give a name to the station) and the first digit flickers for several seconds.
• Up to 8 characters can be entered for each name.
• If you do not give a name, perform the step 7, but ignore the steps 4 ~6.

4. Press the CURSOR LEFT(◀)/RIGHT(▶) buttons to select the desired digit.



• Then the selected digit flickers.

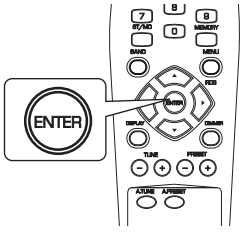
5. Press the CURSOR UP(▲)/DOWN(▼) buttons to enter the desired character on the flickering digit.



• You can enter the desired among blank, A~Z, 0~9, ^, ’, (,), ∗ , +, ,, -, ., /, =.

6. Repeat the above steps 4 and 5 to enter the desired characters on the rest of the digits.

7. Confirm your entry.



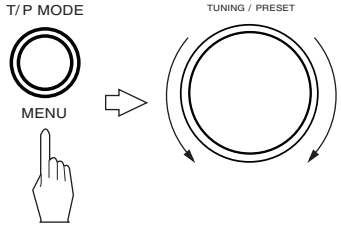
• The station and its name have now been stored in the memory.
• A stored frequency and its name are erased from the memory by storing new ones in its place.
• If the preset number does not flicker, disappears or the digit does not flicker, start again from the above step 2.

8. Repeat the above steps 1 and 7 to memorize other stations.

Tuning to preset stations

■On the front panel

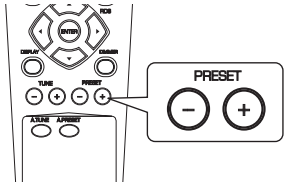
• Press the TUNING/PRESET MODE button to select the preset mode, then rotate the TUNING/PRESET knob to select the desired preset number.



• Each time the TUNING/PRESET MODE button is pressed, the mode changes as follows :
Tuning mode ↔ Preset mode
("P" goes off) ("P" lights up)

■On the remote control

• Select the desired preset number.



• When using the NUMERIC buttons.

Examples:

For "3" : [3] (or [0] within 3 seconds [3])

For "21" : [2] within 3 seconds [1]

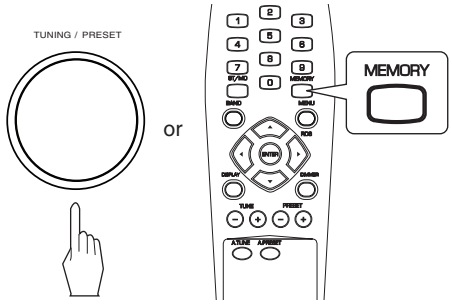
For "40" : [4] within 3 seconds [0]

Erasing preset stations

• You can erase the preset stations as desired.

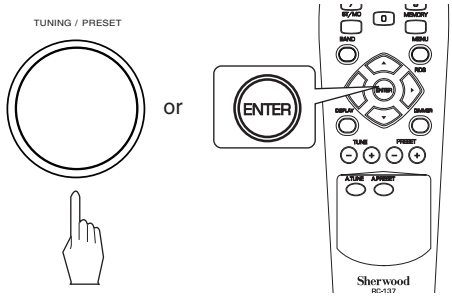
1. Select the preset station to be cleared by performing the preset tuning operation.

2. Press and hold down the TUNING/PRESET knob or the MEMORY button for more than 3 seconds.



• Then "DELETE OK?" is displayed for several seconds.
• When "DELETE OK?" is not displayed, perform the step 2 again.

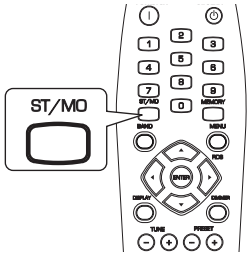
3. Press the TUNING/PRESET knob or the ENTER button.



• Then the stored frequency (and its name) will be erased from the memory.

Listening to FM stereo broadcasts

• While listening to FM broadcasts,



• Each time the STEREO/MONO button is pressed, the FM mode changes as follows :
STereo mode ↔ MONO mode
("ST" and STEREO indicator light up) ("MONO" lights up and STEREO indicator goes off)

• When FM stereo broadcasts are poor because of weak broadcast signals, select the FM mono mode to reduce the noise, then FM broadcasts are reproduced in monaural sound.

ENGLISH

LISTENING TO RDS BROADCASTS (FM ONLY)

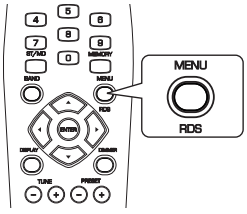
RDS(Radio Data System) is a method for sending information signals together with the transmitter signals. Your tuner is capable of translating these signals and putting the information on the display. These codes contain the following informations. Program Service name (PS), A list of Program Types (PTY), Traffic Announcement(TA), Clock Time (CT), Radio Text (RT).

■**Note :**
• Only in some countries in Europe, RDS tuner function can be available.

RDS search

• Use this function to automatically search and receive the stations offering RDS services.

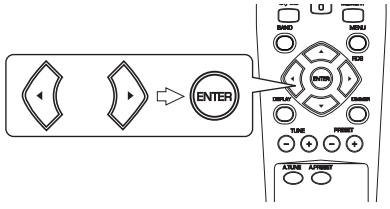
1. In the FM mode, enter the RDS menu.



SEARCH MENU
<RDS> PTY TP

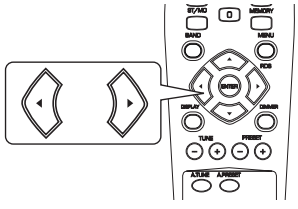
• Then the RDS menu is displayed for several seconds.

2. Select the “RDS” and press the ENTER button.



• Then “SEARCH > RDS” is displayed on the RDS menu for several seconds.
• When the RDS menu is not displayed, repeat again from the above step 1.

3. Start RDS search.



• The tuner automatically searches stations offering RDS services and the station name is displayed.
• If no RDS station is found, “NO RDS” flickers for several seconds.

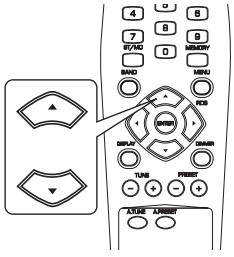
PTY search

• Use this function to automatically search and receive the stations broadcasting the desired program type.

1. Perform the steps 1 and 2 in “RDS search” procedure to select “PTY”.

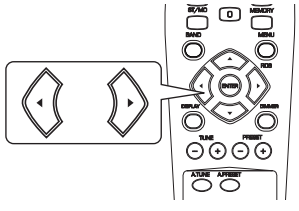
• Then “SEARCH > PTY”, etc is displayed on the RDS menu for several seconds.

2. Select the desired program type.



• Each time these buttons are pressed, one of 30 different types of programs is selected.
(NEWS, AFFAIRS, INFO, SPORT, EDUCATE, DRAMA, CULTURE, SCIENCE, VARIED, POP M, ROCK M, EASY M, LIGHT M, CLASSICS, OTHER M, WEATHER, FINANCE, CHILDREN, SOCIAL, RELIGION, PHONE IN, TRAVEL, LEISURE, JAZZ, COUNTRY, NATION M, OLDIES, FOLK M, DOCUMENT, NONE)
• When the RDS menu is not displayed, repeat again from the above step 1.

3. Start PTY search.



• The tuner automatically searches a station offering PTY services.
• If no station is found, “NO PTY” flickers for several seconds.

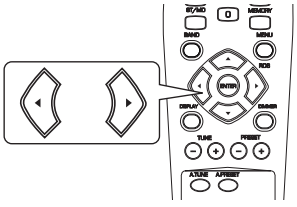
TP search

• Use this function to automatically search and receive the stations broadcasting the traffic program.

1. Perform the steps 1 and 2 in “RDS search” procedure on the previous page to select “TP”.

• Then “SEARCH > TP” is displayed on the RDS menu for several seconds.
• When the RDS menu is not displayed, repeat again from the above step 1.

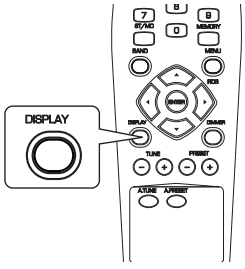
2. Start TP search.



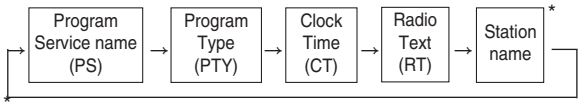
• The tuner automatically searches for stations broadcasting the traffic program.
• If the signal is too weak or there are no stations broadcasting the traffic program, “NO TP” flickers for several seconds.

Displaying RDS information

• While listening to RDS broadcasts,



• Each time this button is pressed, the display mode changes as follows:



: Possible only when the preset station has a name.

• If the signals are too weak or no RDS service is available, RDS information may not be displayed.

LISTENING TO INTERNET RADIO BROADCASTS, DAB/DAB+ BROADCASTS

ENGLISH

• You can listen to Internet radio broadcasts as well as DAB broadcasts.

■Internet Radio

• Internet radio refers to radio broadcasts distributed over the internet. This unit includes the full vTuner Internet Radio Service at no additional charge.
• Once you have connected this unit to the Internet, you can search for and play Internet radio broadcasts at any time.
• You can also search for Internet radio stations by entering the name, etc.

■Note :

• There are many Internet radio stations on the Internet, and the quality of the programs they broadcast as well as the bit rate of the tracks varies widely. Generally, the higher the bit rate, the higher the sound quality, but depending on the communication lines and server traffic, the music or audio signals being streamed may be interrupted. Inversely, lower bit rates mean a lower sound quality but less tendency for the sound to be interrupted.

■DAB(Digital Audio Broadcasting)/DAB+

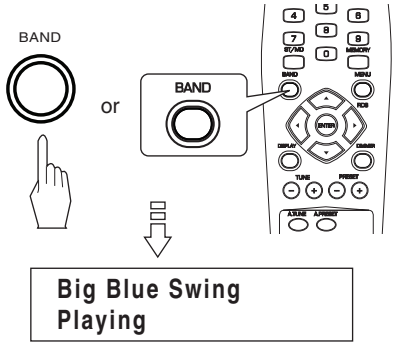
• Since the DAB system is broadcasted in digital format, DAB system can supply crystal-clear audio and stable reception. DAB is a new generation radio which can provide data service and supplementary multi-media services.
• DAB broadcasts mutiple services under one ensemble called service components.
• Each components contains unique programs : news, music, sports, and any more.
• Each ensemble and service component has its label, and users can recognize a current broadcasting station and service contents by using the label.
• The main service component is broadcast as Primary while the others are broadcast as Secondary.
• Rich character information is supported through dynamic labels, including such information as song title, artist composer, etc.
• DAB+ is based on the original DAB standard but uses a more efficient audio codec. Whereas DAB uses MPEG Audio Layer II(better konown as MP2), DAB+ uses HE-AAC v2(better known as MP4 or AAC+).

Basic Operation

1. Make the necessary prepatations.

① Check the network environment and the DAB antenna connection, then turn on this unit. (See “CONNECTING WLAN ANTENNA” and “CONNECTING DAB ANTENNA” on page 5)
② If setting are required, make the system settings. (See “System Settings” on page 23.)

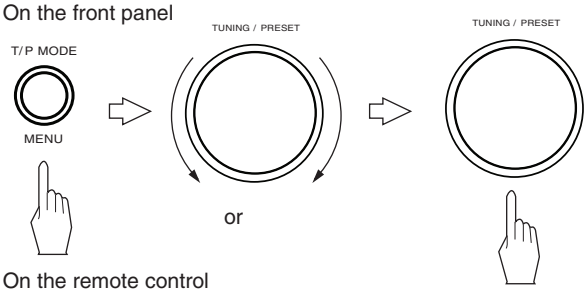
2. Select the digital broadcast as an input source.



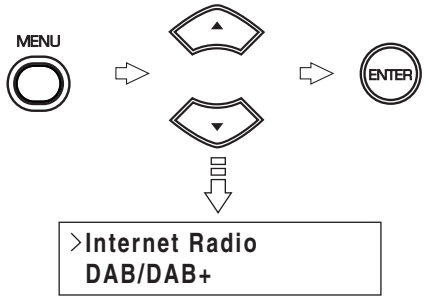
• Then the station listened last is automatically tuned in.
• However, when the power is turned on and then the digital broadcast is selected, the main menu will be displayed.

3. While displaying the digital broadcast, press the T/P MODE/MENU button or the MENU button to enter the menu mode, select “Main Menu”, then confirm your selection.

On the front panel

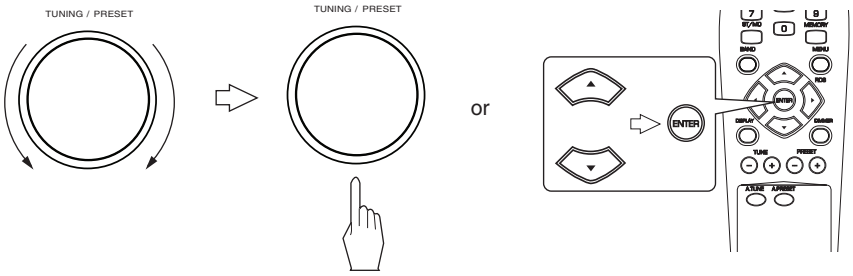


On the remote control



• Then the main menu is displayed.

4. Select the desired item, then confirm your selection.



- Each time the the TUNER/PRESET knob is rotated or the CURSOR UP(▲)/DOWN(▼) buttons are pressed, the item changes as follows :

→ Internet Radio (See “Listening to Internet radio broadcasts” on page 18.)
↕
DAB/DAB+ (See “Listening to DAB/DAB+ broadcasts” on page 21.)
↕
→ System Settings (See “System Settings” on page 23.)

5. Repeat the above step 4 until the desired item is selected.

- When the AUTO PRESET/BACK button on the front panel or the CURSOR LEFT(◀) button on the remote control is pressed on a sub-menu, it will return to the previous status.
- When any operation is not performed on a sub-menu within 8 seconds, it will automatically return to the previous status, too.

- For your reference, setup menu flow is as follows :

■ Setup menu flow

- Main Menu
  - Internet Radio
    - Last Listened
    - Station List
      - My Favourites
        - Stations
      - Local ~
      - Stations
        - Location
        - Genre
        - Search stations
        - Populat stations
        - New stations
      - MY Added Stations
      - Help
        - Get access code
        - FAQ
    - Main Menu
  - DAB/DAB+
    - Station List
    - Local Scan
    - Full Scan
    - Manual Tune
    - DRC (Dynamic Range Compression)
    - Station Order
    - Main Menu
  - System Settings
    - Set Network
      - Network Wizard
      - View Settings
      - WLAN Region
      - Manual Settings
      - Network Profile
    - Set Time/Date
      - Set Format
      - Set Timezone
      - Daylight Saving
    - Factory Reset
    - Software Update
    - Information
      - SW Version
      - Radio ID

ENGLISH

Listening to Internet radio broadcasts

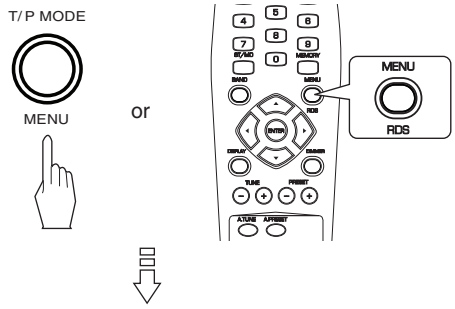
• When “Internet Radio” is selected, the station listened last is automatically selected.

Example:

```
Big Blue Swing
Playing
```

• When the power is turned on and then the Internet radio function is selected without making the system settings, the WLAN Region setting procedure (and the Network Wizard if needed) will be automatically performed successively. (For details, see “When selecting “Set Network”” on page 23.)

1. Enter the Internet Radio menu mode.

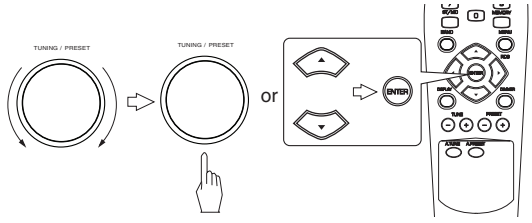


Internet Radio menu

```
>Last Listened
 Station List
```

• The previous ststus will be displayed in 8 seconds.

2. While displaying the menu mode, select the desired item, then confirm your selection.



• Each time the TUNNING/PRESET knob is rotated or the CURSOR UP(▲)/DOWN(▼) buttons are pressed, the item is selected as follows :

↱ Last Listened ↔ Station List ↔ Main Menu ↰

■When selecting “Last Listened”

• Then the list of the last listened stations is displayed.
• This unit can automatically add up to 10 stations that you’ve listened to recently to the list.
• While displaying the list, perform the above step 2 to select the desired station. Then the selected station will be tuned to.

■When selecting “Station List”

• The Station List comprises of the options to select a station in the different ways.

① While displaying the list, perform the above step 2 to select the desired option.

• Each time the TUNNING/PRESET knob is rotated or the CURSOR UP(▲)/DOWN(▼) buttons are pressed, the option is selected as follows :

* **My favourites** : You can add the stations to the list of your favourite stations, allowing quick and easy access to a number of stations from different countries, genres, etc. (For details on adding the stations to the list of your favourite stations, see it on page 19.)

* **Local ~** : This is a comprehensive list of all the stations are broadcasting from within your own geographical area or country.

* **Stations** : This allows you to find stations using a number of search criteria such as location, genre, search by name, most popular, etc. (When selecing “Search stations”, see “Searching for a station” on page 20.)

* **My Added Stations** : This shows the stations that you have personally added to your radio’s station list via the Frontier Sillicon Radio Portal. (For details on registration, see “Registering your radio” on page 19.)

* **Help** : You will find the access code that you require to register your radio on the Frontier Silicon Radio Portal. (For details on registration, see “Registering your radio” on page 19.) The helpful FAQ audio tracks can be found, too.

② While displaying the list, repeat the above step 2 until the desired station or item is selected.

• Then the desired station will be tuned to or the desired item will be selected.

■When selecting “Main Menu”

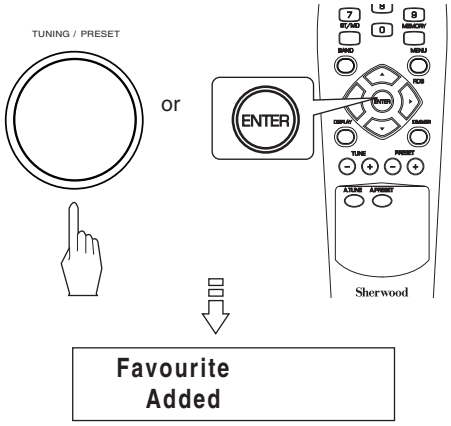
• Then the Main Menu is displayed.

■Adding the stations to the list of your favourite stations

• Once you add the different stations to the list of your favourite stations, you can access to your favourite stations easily and quickly by selecting it from the list.

◆When listening to a station

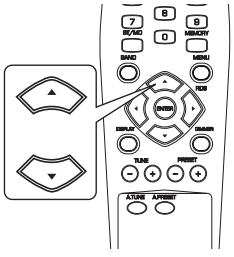
① Tune in the station to be added by using the various ways.
② Press the TUNING/PRESET knob or the ENTER button.



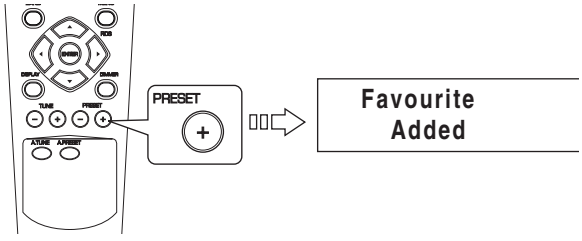
• Then the station is added to the list of your favourite stations.

◆When displaying a station list

① Select the station to be added on a list.



② Press the PRESET UP(+) button.



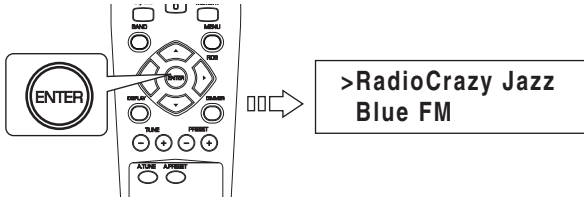
• Then the station is added to the list of your favourite stations.

■Deleting the stations on the list of your favourite stations

① Select the “My Favourites” on the Station List menu.

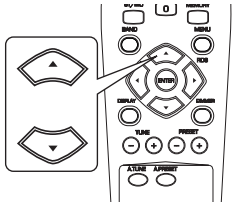
• Then the “Stations” is displayed.

② While displaying “Stations”, press the ENTER button.

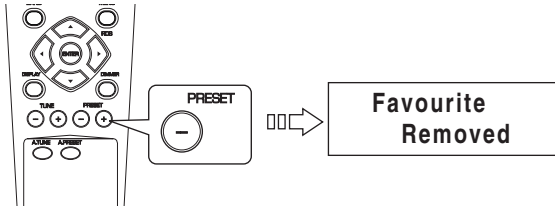


• Then the list of your favourite stations is displayed.

③ While displaying the list, select the station to be deleted.



④ Press the PRESET DOWN(-) button.



• Then the station is deleted.

■Registering your radio

• In order to access the additional features provided by the Frontier Silicon Radio Portal, you will need to visit the portal website at www.wifiradio-frontier.com on your computer to create an account and to register your radio.
① Find the access code by selecting “Get access code” on the Help menu. (For details, see “When selecting “Station List” ” on page 18.)

• Then, write down the access code.

② Visit the portal website at www. wifiradio-frontier.com on your computer.
③ Create an account and register your radio.

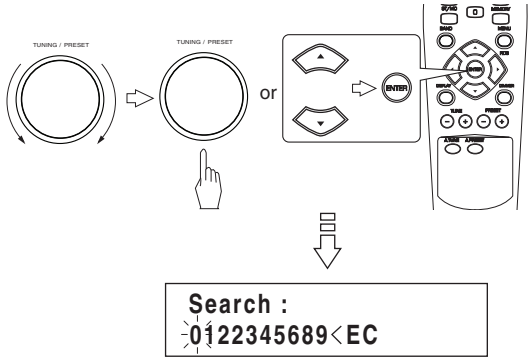
• When you have registered your radio with the portal, you can take advantage of various additional features and services that it provides.

ENGLISH

■Searching for a station

• You can search for an Internet radio station by name (if you know it), or by using a keyword from within its title.

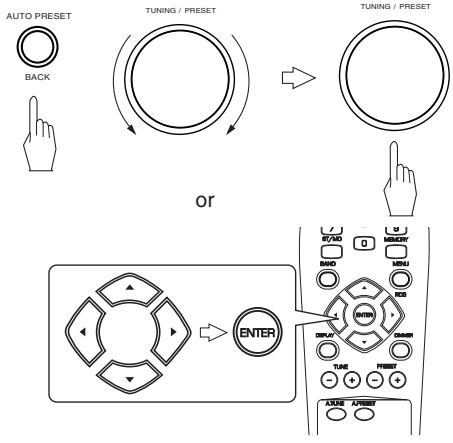
① Select “Search stations” on the Stations menu. (For details, see “When selecting” Station List” ” on page 18.)



• Then the character entry menu is displayed.

* “〈” stands for Backspace, “E” for Enter, “C” for Cancel.

② Select a character, then confirm your selection.



③ Repeat the above step ② until a keyword is entered.

Example

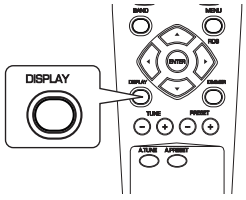
④ Select “E” in the same way.

• Then this unit searches for the stations that contain the keyword you entered and lists all the stations found.
• When “C” is selected, “Search stations” mode is canceled and the previous status in displayed.
• When “<” is selected, the character entered last is cleared.

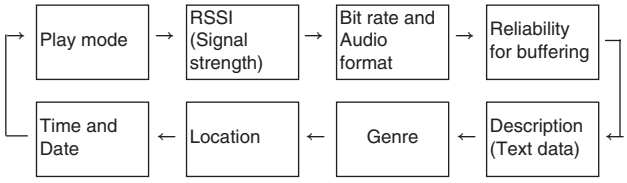
⑤ Select the station to listen in the same way.

■Displaying Internet radio information

• While listening to Internet radio broadcast.



• Each time this button is pressed, the display mode changes as follows :



■Note :

• If the required data is not available, the corresponding information may not be displayed.

Listening to DAB/DAB+ broadcasts

• When “DAB/DAB+” is selected, the station listened last is automatically selected.

Example:

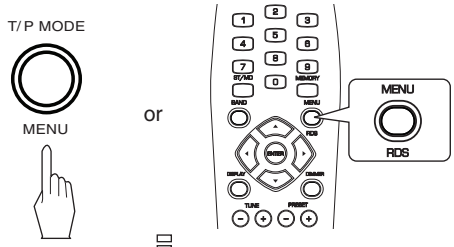
```
BBC Radio 6Music
Now playing : Gla
```

• When the power is turned on and then “DAB/DAB+” is selected, the Station List menu is displayed. (For details, see “When selecting “Station List”” below.)
• When the DAB/DAB+ radio function is used for the first time, this unit will automatically perform the local scan to see what stations are broadcasting in your area and will list them. (For details, see “When selecting “Local Scan”” below)

■Note :

• Please ensure that the DAB antenna is connected. (For details, see “CONNECTING DAB ANTENNA” on page 5.)

1. While displaying the selected station, enter the DAB menu mode.

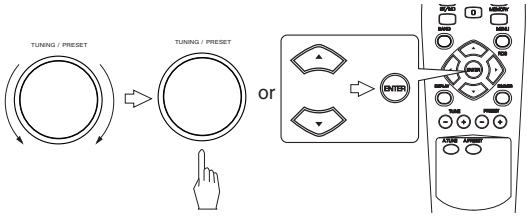


DAB menu

```
>Station List
 Local Scan
```

• The previous status will be displayed in 8 seconds.

2. While displaying the menu mode, select the desired item, then confirm your selection.



• Each time the TUNNING/PRESET knob is rotated or the CURSOR UP(▲)/DOWN(▼) buttons are pressed, the item is selected as follows :

→ Station List ↔ Local Scan ↔ Full Scan ←

↳ Main Menu ↔ Station Order ↔ DRC ↔Manual Tune ↵

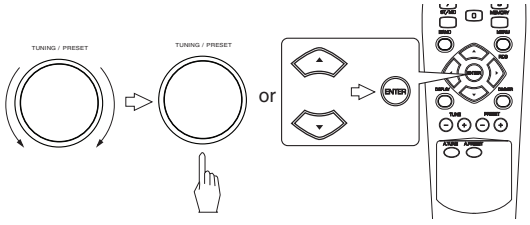
■When selecting “Station List”

• Then the list of the stations found by the selected scan procedure (“Local Scan” or “Full Scan”) is displayed.

Station List menu

```
>BBC Radio 6Music
 *Absolute
```

• Select the desired station, then confirm your selection.



Example:

```
BBC Radio 6Music
Now playing : Gla
```

• The selected station is listened to.
• When the station marked with * is selected, the DAB menu mode will be entered for 8 seconds because this station is not available.

■Note :

• When a station is not available, this station is marked with *.
• When receiving a secondary service, the SECONDARY indicator lights up.

■When selecting “Local Scan”

• This unit will scan for the stations are broadcasting within the local frequency range(narrower than full frequency range) and list them.

■When selecting “Full Scan”

• This unit will scan for the stations are broadcasting within the full frequency range and list them.

ENGLISH

■When selecting “Manual Tune”

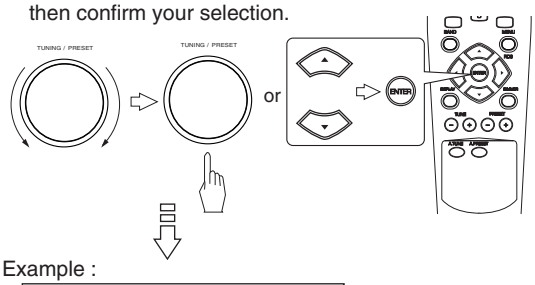
- It is possible to scan for stations at the specific frequency.
- The list of the channels is displayed.

Example :

```
>5A 174.928MHz
 5B 176.640MHz
```

- The previous status will be displayed in 8 seconds.

① While displaying the list, select the desired channel, then confirm your selection.



Example :

```
10C 213.360MHz
Strength  : 186
```

- Then this unit will scan for the station is broadcasting at the specific frequency.

② To listen to the station, press the TUNING/PRESET knob or the ENTER button.

- Then the station will be tuned to.

■Note :

- It may be neccessary to perform a scan from time to time in order to update your station list. This may be required for any one of the following reasons :
  - ∗ Station availability can change from time to time as new stations appear or existing stations cease broadcasting.
  - ∗ If reception was poor during the initial automatic scan, for example the DAB antenna was not connected, it may be that the station list is incomplete or even empty.
- Before performing a scan, select the order of station list as desired first. (For details, see “When selecting “Station Order” below.)

■When selecting “DRC” (Dynamic Range Compression)

- The DRC function lets you change the dynamic range of the received sound depending on the content of the broadcast so that the sound is easier to hear even when the volume is low.
- The DRC menu is displayed.

```
>DRC high     ∗
 DRC low
```

- The previous status will be displayed in 8 seconds.

- While displaying the menu, perform the above step ① to select the desired level. Then the selected level is marked with ∗.
- Each time the TUNNING/PRESET knob is rotated or the CURSOR UP(▲)/DOWN(▼) buttons are pressed, the level is selected as follows :
  - ∗ high : To set the DRC level high.
  - ∗ low : To set it low.
  - ∗ off : To turn off the DRC function.

■When selecting “Station Order”

- When scanning for stations, they can be stored and listed by Normal, Ensemble or Valid.
- The Station Order menu is displayed.

```
>Normal       ∗
 Ensemble
```

- The previous status will be displayed in 8 seconds.

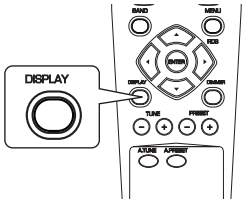
- While displaying the menu, perform the above step ① to select the desired order. Then the selected order is marked with ∗.
- Each time the TUNNING/PRESET knob is rotated or the CURSOR UP(▲)/DOWN(▼) buttons are pressed, the order is selected as follows :
  - ∗ Normal : To list stations in a normal order.
  - ∗ Ensemble : To list groups of stations that are broadcasting together on the same ensemble.
  - ∗ Valid : To list valid stations first, normal, then off-air stations.

■When selecting “Main Menu”

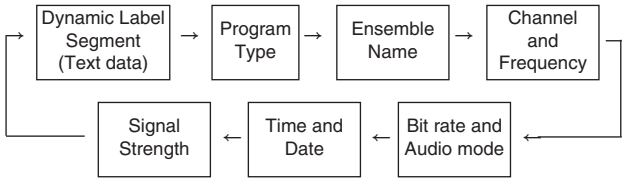
- Then the Main Menu is displayed.

■Displaying DAB/DAB+ information

- While listening to DAB/DAB+ broadcast,



- Each time this button is pressed, the display mode changes as follows :



■Notes :

- If the required data is not available, the corresponding information may not be displayed.
- If the reception sensitivity is poor, the signal strength will be low level. Should this happen, adjust the position of the DAB antenna until the level is 100 or higher.

System Settings

• This allows you to configure the various settings.

■Note :

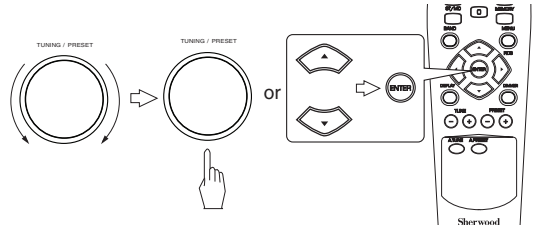
• Before listening to Internet radio broadcasts, etc., first perform the system settings.

System Setting menu

```
>Set Network
 Set Time/Date
```

• The main menu will be displayed in 8 seconds.

1. While displaying the System Setting menu mode, select the desired item, then confirm your selection.



• Each time the TUNNING/PRESET knob is rotated or the CURSOR UP(▲)/DOWN(▼) buttons are pressed, the item is selected as follows :

→ Set Network ↔ Set Time/Date ↔ Factory Reset ←

→ Information ↔ Software Update ←

■When selecting "Set Network"

• This allows you to configure network settings depending on your internet environment.

Set Network menu

```
>Network Wizard
 View Settings
```

• The previous status will be displayed in 8 seconds.

① While displaying the menu, perform the above step 1 to select the desired option.

• Each time the TUNNING/PRESET knob is rotated or the CURSOR UP(▲)/DOWN(▼) buttons are pressed, the option is selected as follows :

* **Network Wizard** : This allows you to perform the newwork settings simply and easily by selecting the desired of all available access points or wireless routers that this unit automatically searches for.
  If security code is required, enter the security code. (For details on how to enter the code, see "Searching for a station" on page 20.)

• You can select the other options as follows :
  [WPS PBC] : For details, see the operating instructions of the connected router, etc.
  [Rescan] : To rescan all available access points or wireless routers.
  [Wired] : Not available
  [Manual] : See "Manual Settings" below.

■Note :

• Before selecting "Network Wizard", first perform the "WLAN Region" setting. If not, "WLAN Region" will be automatically performed first.

* **View Settings** : This displays information on network settings such as Active Adapter, MAC Address, DHCP, SSID, IP Settings, WLAN Region.

* **WLAN Region** : You can select where you are using this unit.

* **Manual Settings** : If searching for the access points or wireless routers is impossible, you should perform the network settings manually as follows :
  1) Select "Wireless LAN", not "Wired LAN".
  2) Select "DHCP Enable" or "DHCP Disable".
  3) Input IP Address, Subnet Mask, Gateway Address, Primary DNS and Secondary DNS successively. (To enter the numerals, perform the steps ② and ③ in "Searching for a station" procedure on page 20.)
     • When selecting "DHCP Enable", perform the following steps 4) and 5), but ignore the step 3.
  4) Input the SSID. (For details on how to enter characters, see "Searching for a station" on page 20.)
  5) If there is no security, select "Open".
     If there is security, select "PSK", "WPA", "WPA 2", etc., then enter the securuty code.

■Notes :

• Before performing the network settings manually, confirm the information on IP Address, Subnet Mask, Gateway Address, Primary DNS, Secondary DNS, SSID, security code, etc. (For details, consult internet service provider.)

• If these setting values are not input correctly, you will fail in configuring network settings manually. Should this happen, try to do them again or to perform the "Network Wizard" procedure (recommended generally).

* **Network Profile** : This shows the last four wireless networks this unit has connected to, and automatically tries to connect to whichever one of them it can find. If there is unwanted networks, you can delete them by selecting and confirming procedure.

② While displaying the list, etc., repeat the above step 1 until the setting has been completed.

ENGLISH

ENGLISH

■When selecting “Set Time/Date”

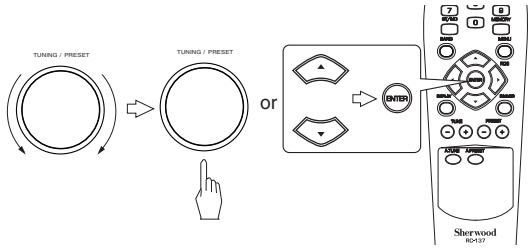
• You can set the various time settings.

Set Time/Date menu

```
>Set Format
 Set Timezone
```

• The main menu will be displayed in 8 seconds.

① While displaying the Set Time/Date menu mode, select the desired item, then confirm your selection.



• Each time the TUNNING/PRESET knob is rotated or the CURSOR UP(▲)/DOWN(▼) buttons are pressed, the item is selected as follows :

∗ **Set Format** : When selecting 12 Hour or 24 Hour format.

∗ **Set Timezone** : When selecting the timezone depending on where you are using this unit.

∗ **Daylight Saving** : When turning the Daylight Saving function on or off.

② While displaying the item menu, perform the above step ① to set as desired.

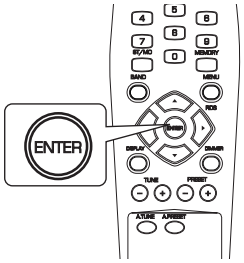
• Then the selected item is marked with ∗ .

■When selecting “Factory Reset”

• You can reset the network settings, time/date settings and stations added to “Station List” to the factory default except the stations added to “My Favourites” and “My Added Stations”.

```
Press enter
to confirm reset
```

• Press the ENTER button to select.



■When selecting “Software Update”

• From time to time we will make software updates available for this unit. These are necessary for general maintenance reasons, as well as for adding additional functionality to your unit. Software updates are carried out over-the-air, via broadband connection.

```
Checking for
new version - - -
```

• If an update is available, confirm to the instructions to commence the download.

■Note :

• Do not disconnect the AC input cord or turn the power off during a software update. Should this happen, it may be result in malfunction or cause damage to this unit.

■When selecting “Information”

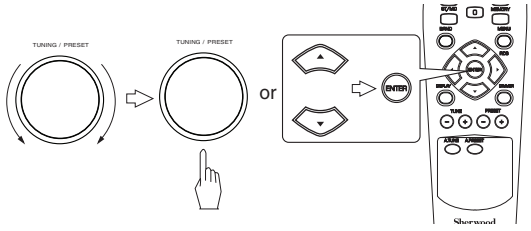
• You can check the software version and the radio ID number.

Information menu

```
>SW Version
 Radio ID
```

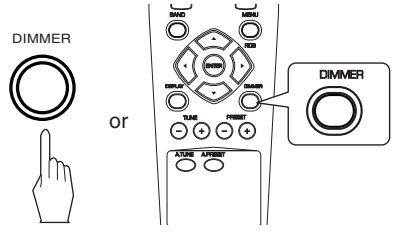
• The previous status will be displayed in 8 seconds.

• While displaying the menu, select the desired item to be checked, then confirm your selection.



• Then the selected information is displayed.

ADJUSTING THE BRIGHTNESS OF THE FLUORESCENT DISPLAY



• Each time the DIMMER button is pressed, the brightness of the fluorescent display changes as follows :

→ ON → dimmer → OFF

• In the display OFF mode, pressing any button will cancel the display OFF mode for several seconds to display the operation status.

Troubleshooting Guide

If a fault occurs, run through the table below before taking your receiver for repair.
If the fault persists, attempt to solve it by switching the unit off and on again. If this fails to resolve the situation, consult your dealer. Under no circumstances should you attempt to repair the unit yourself. This could void the warranty.

PROBLEM	POSSIBLE CAUSE	REMEDY
Poor AM/FM reception.	• No antenna is connected. • The antenna is not positioned for the best reception. • The frequency of desired station is not tuned in.	• Connect an antenna. • Change the position of the antenna. • Tune in the frequency of the desired station.
Interference tuning AM/FM reception.	• Noise related to ignition noise of an automobile. • Noise related an influence from an electric appliance. • Noise related to a nearby TV set.	• Install the outdoor antenna apart from the load. • Turn off the power of the appliance. • Install this unit more apart from the TV set.
Continuous hissing noise during FM reception.	• Weak signals.	• Change the position of the antenna. • Install an outdoor FM antenna.
Continuous or intermittent hissing noise during AM reception.	• Noise is caused by motors, fluorescent lamps or lightning, etc.	• Keep this unit away from noise sources. • Install an outdoor AM antenna.
Cannot connect to network.	• Network down. • Insufficient Wi-Fi signal strength. • The settings of the SSID and the security code(WEP, etc) are incorrect. • Unusual network configuration.	• Check that network is working. • Shorten the distance from the wireless LAN's access point or remote any obstacles. • Check that the SSID and the security code are correct. • Perform the network settings manually. (For details, see "Manual Settings" on page 23.)
Internet radio broadcast cannot be played.	• Network is disconnected. • Program is broadcasting in non-compatible format. • Firewell preventing access. • Internet radio station is not currently broadcasting. • "Opening" is displayed still.	• Check the connection status. • Only internet radio programs in MP3 and WMA can be played in this unit. • Check the following ports are open : UDP, TCP and DNS ports (Some Internet radio stations may require additional ports to be opened.) • Tune in a radio station that is currently broadcasting. • Tune in the radio station again.
DAB/DAB+ broadcast cannot be played.	• Insufficient signal strength.	• Rescan the stations. (For details, see "When selecting "Local Scan" on page 21.) • Check that the DAB antenna is connected.
Bubling sound is heard.	• Insufficient signal strength.	• Try repositioning the DAB antenna to gain higher signal strength.
Remote control unit does not operate.	• Batteries are not loaded or exhausted. • The remote sensor is obstructed.	• Replace the batteries. • Remove the obstacle.

Specifications

■ **FM TUNER SECTION**

- Tuning frequency range | **87.5~108 MHz**
- Usable sensitivity, THD 3%, S/N 26 dB | **12.8 dBf**
- 46 dB quieting sensitivity, mono/stereo | **20.2 / 45.3 dBf**
- Signal to noise ratio, 65 dBf, mono/stereo | **70 / 65 dB**
- Total harmonic distortion, 65 dBf,1 kHz, mono/stereo | **0.1 / 0.1 %**
- Frequency response, 30 Hz~12 kHz | **±2.0 dB**
- Stereo separation, 1 kHz | **35 dB**
- IF rejection ratio | **120 dB**

■ **AM TUNER SECTION**

- Tuning frequency range | **522~1611 kHz**
- Usable sensitivity | **440 µV/m**
- Signal to noise ratio | **50 dB**
- Selectivity | **29 dB**

■ **DAB TUNER SECTION**

- Tuning frequency range | **174.928(5A) ~ 239.200(13F) MHz**
- Sensitivity | **-100 dBm**
- Signal to noise ratio | **105 dB**
- Total harmonic distortion, 1 kHz | **0.06 %**
- Channel separation,1 kHz | **100 dB**
- Frequency response, 5 Hz~20 kHz | **±0.5 dB**

■ **WIRELESS LAN SECTION**

- Network type (wireless LAN standards) | **Conforming to IEEE 802.11 b/g**
- Transfer rate
  - DS-SS | **11 / 5.5 / 2 / 1 Mbps(Automatic switching)**
  - OFDM | **54 / 48 / 36 / 24 / 18 / 12 / 9 / 6 Mbps(Automatic switching)**
- Security | **SSID (Network name)**
  WEP key (network key) (64/128 bits)
  WPA (TKIP/AES)
  WPA2 (TKIP/AES)
- Used frequency range | **2.412 ~ 2.472 MHz**

■ **GENERAL**

- Analog output level,10 kΩ | **2.0 V**
- Digital output level
  - Coaxial, 75Ω | **0.5 Vp-p**
  - Optical, 660 nm | **-21 ~ 15 dBm**
- Power supply | **230 V ~ 50 Hz**
- Power consumption | **11 W**
- Dimensions (WxHxD, including protruding parts) | **435x74x298 mm (17-1/8x2-7/8x11-3/4 inches)**
- Weight (Net) | **3.1 kg (6.8 lbs)**

Note: Design and specifications are subject to change without notice for improvements.

5505(G) cover_cover.qxp 2010-10-08 오후 12:07 페이지 2

TX-5505iD

AM/FM/DAB/i-RADIO TUNER

Sherwood

5707-00000-431-0S